

PROPOSED CHANGES TO THE LISTS OF MICHIGAN ENDANGERED AND THREATENED SPECIES (R 299.1021–1028)

SNAILS (R 299.1021)

Common Name	Current Scientific Name	Proposed Name	Current State Listing Status	Proposed State Listing Status	Justification/Comments
Pleistocene catinella	<i>Catinella exile</i> (Leonard)	Same	No status	Threatened	Only three recent occurrences (1988) documented in MI; rare throughout most, if not all, of its global range
A land snail (no common name)	<i>Catinella gelida</i> (F. C. Baker)	Same	No status	Threatened	Declining across its global range; ranked by NatureServe as possibly extirpated in MI
A land snail (no common name)	<i>Catinella protracta</i> Franzen	Same	No status	Endangered	Endemic to MI; ranked by NatureServe as imperiled
Carinate pillsnail	<i>Euchemotrema hubrichti</i> (Pilsbry)	Same	No status	Threatened	Considered extinct until it was rediscovered in Illinois in 1993; occurrence in MI is uncertain; global NatureServe rank is critically imperiled
A land snail (no common name)	<i>Euconulus alderi</i> (Gray)	Same	No status	Threatened	In MI, known from only ten sites in the Upper Peninsula; ranked by NatureServe as imperiled in MI
Bugle fossaria	<i>Fossaria cyclostoma</i> (Walker)	Same	No status	Threatened	Known global range is restricted to MI and New York; ranked by NatureServe as possibly extinct
Lamda snaggleteeth	<i>Gastrocopta holzingeri</i> (Sterki)	Same	No status	Endangered	In MI, known from a small number of sites in two counties; threatened by habitat loss and degradation
Sterki's granule	<i>Guppya sterkii</i> (Dall)	Same	No status	Endangered	Only one population known in MI, in the Upper Peninsula; threatened by habitat loss and degradation
Proud globe	<i>Mesodon elevatus</i> (Say)	Same	No status	Threatened	Only eight documented occurrences in MI
Foster mantleslug	<i>Pallifera fosteri</i> F. C. Baker	Same	No status	Threatened	Not detected during recent surveys within its range; at least one known population has been extirpated
Broadshoulder physa	<i>Physella parkeri</i> (Currier)	Same	No status	Threatened	In MI, restricted to a few lakes; not detected during a recent survey near its type locality
An aquatic snail (no common name)	<i>Planorbella smithi</i> (F. C. Baker)	Same	No status	Endangered	Endemic to MI and extremely rare; only two records documented; most-recent record is from 1988
Deepwater pondsnail	<i>Stagnicola contracta</i> (Currier) [<i>Lymanaea contracta</i>]	Same	Threatened	Endangered	Endemic to MI and extremely rare; only four records documented; last observed in 1957
A land snail (no common name)	<i>Vallonia gracilicosta albula</i> Sterki	Same	No status	Endangered	Known from only eight sites in MI

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Delicate vertigo	<i>Vertigo bollesiana</i> (E. S. Morse)	Same	No status	Threatened	Few sites of occurrence, rare in the natural communities where it is found, sensitive to disturbance
Hubricht's vertigo	<i>Vertigo hubrichti</i> Pilsbry	Same	No status	Endangered	Known range in MI restricted to 14 sites in the Upper Peninsula
A land snail (no common name)	<i>Vertigo modesta modesta</i> (Say)	Same	No status	Endangered	Two occurrences known in MI; specific habitat requirements; vulnerable to anthropogenic disturbance
A land snail (no common name)	<i>Vertigo modesta parietalis</i> (Ancey)	Same	No status	Endangered	Endemic to MI; documented at one site in the Upper Peninsula
A land snail (no common name)	<i>Vertigo morsei</i> Sterki	Same	No status	Endangered	Two populations known in MI, in the Upper Peninsula; habitat threatened by altered hydrology and off-road vehicles
Deep-throat vertigo	<i>Vertigo nylanderi</i> Sterki	Same	No status	Endangered	Known from only five sites in MI; less than six individuals were observed at each of four sites

MUSSELS (R 299.1021)

Common Name	Current Scientific Name	Proposed Name	Current Status	Proposed Status	Justification/Comments
Slippershell	<i>Alasmidonta viridis</i> (Rafinesque)	Same	No status	Threatened	Declines in a large portion of its MI range; most occurrence records were based on empty shells; where it is found live, it occurs in low densities
Lake floater	<i>Anodonta subgibbosa</i> (Anthony)	<i>Pyganodon subgibbosa</i> (Anthony)	Threatened	Threatened	Name change follows: Turgeon, D. D. et al. (editors). 1995. Common and scientific names of aquatic invertebrates from the United States and Canada: mollusks. Second edition. American Fisheries Society special publication 26.
Purple wartyback	<i>Cyclonaias tuberculata</i> (Rafinesque)	Same	No status	Threatened	Declines in a large portion of its MI and global range; vulnerable to impacts from zebra mussels and other threats throughout most of its MI range
White catpaw	<i>Epioblasma obliqua perobliqua</i> (Lea)	<i>Epioblasma obliquata perobliqua</i> (Conrad)	Endangered	Endangered	Name change follows: Turgeon, D. D. et al. (editors). 1995. Common and scientific names of aquatic invertebrates from the United States and Canada: mollusks. Second edition. American Fisheries Society special publication 26.
Eastern pondmussel	<i>Ligumia nasuta</i> (Say)	Same	No status	Endangered	Only four occurrences documented during recent, multi-year surveys throughout its MI range; vulnerable to impacts from zebra mussels; declining throughout its global range

Common Name	Current Scientific Name	Proposed Name	Current Status	Proposed Status	Justification/Comments
Black sandshell	<i>Ligumia recta</i> (Lamarck)	Same	No status	Endangered	All individuals found in recent years were old, indicative of lack of reproduction; only empty shells or a single live individual found at all but four sites; possibility extirpated from a large portion of the MI range
Threehorn wartyback	<i>Obliquaria reflexa</i> Rafinesque	Same	No status	Endangered	Only three live individuals at two locations found during recent searches of suitable habitat; heavily impacted by zebra mussels; possibly extirpated from a large portion of the MI range
Hickorynut	<i>Obovaria olivaria</i> (Rafinesque)	Same	No status	Endangered	Only four occurrences documented in MI since 1960; observations consisted of empty shells or a single live individual at each site; habitat heavily impacted by zebra mussels
Pink papershell	<i>Potamilus ohioensis</i> (Rafinesque)	Same	No status	Threatened	Few records for this species; any extant populations would be vulnerable to threats throughout its range
Lilliput	<i>Toxolasma parvus</i> (Barnes)	Same	No status	Endangered	Few recent occurrences despite recent surveys; possibly extirpated from a large portion of the MI range; one of the largest known populations in severe decline
Fawnsfoot	<i>Truncilla donaciformis</i> (Lea)	Same	No status	Threatened	No live individuals or shells found despite several years of surveys within suitable habitat; absent from areas where once common

INSECTS (R 299.1022)

Common Name	Current Scientific Name	Proposed Name	Current Status	Proposed Status	Justification/Comments
Dusted skipper	<i>Atrytonopsis hianna</i> Scudder	Same	Threatened	No status	MI Natural Features Inventory and MI Lepidoptera Society data base records indicate it does not meet criteria for threatened status
Six-banded longhorn beetle	<i>Dryobius sexnotatus</i> Linsley	Same	No status	Threatened	Only one recorded observation of this species during the past decade; rare or extirpated in adjacent States
Huron River leafhopper	<i>Flexamia huroni</i> Bess and Hamilton	Same	No status	Threatened	Known from only a few locations in Oakland county; a recently described species cryptically separated from other, more-common <i>Flexamia</i>
Henry's elfin	<i>Incisalia henrici</i> (Grote and Robinson)	Same	No status	Threatened	Only two records of the species in MI since 1981
Great Plains spittlebug	<i>Lepyronia gibbosa</i> Ball	Same	Threatened	No status	Common in sand-prairie and oak-savanna areas on western side of the State

Common Name	Current Scientific Name	Proposed Name	Current Status	Proposed Status	Justification/Comments
Pygmy snaketail	<i>Ophiogomphus howei</i> Bromley	Same	No status	Threatened	Known from only one river system in the Upper Peninsula; more surveys needed
Grey petaltail	<i>Tachopteryx thoreyi</i> (Hagen)	Same	No status	Threatened	Only two populations known, both in extreme southwest MI; habitat vulnerable to loss, modification or variations in quality

FISHES (R 299.1023)

Common Name	Current Scientific Name	Proposed Name	Current Status	Proposed Status	Justification/Comments
Cisco or lake herring	<i>Coregonus artedii</i> Leseuer	Common name Cisco only; lake herring deleted	Threatened	Threatened	Name change follows: Nelson, J.S. et al. 2004. Common and scientific names of fishes from the United States, Canada, and Mexico, sixth edition. American Fisheries Society.
Siskiwit lake cisco	<i>Coregonus bartletti</i> (Koelz)	Same	No status	Threatened	Either an intermediate form or the same species as <i>Coregonus zenithicus</i> (threatened); threatened status warranted until a new taxonomic determination indicates otherwise
Ives lake cisco	<i>Coregonus hubbsi</i> (Koelz)	Same	No status	Threatened	Uncertain whether it is distinct from <i>Coregonus artedii</i> (threatened); threatened status warranted until a new taxonomic determination indicates otherwise
Deepwater cisco	<i>Coregonus johanna</i> (Wagner)	Same	Extirpated	Extinct	Not collected or documented anywhere since 1952
Creek chubsucker	<i>Erimyzon oblongus</i> (Mitchill)	Common name western creek chubsucker; scientific name <i>Erimyzon claviformis</i> (Girard)	Endangered	Endangered	Name change follows: Nelson, J.S. et al. 2004. Common and scientific names of fishes from the United States, Canada, and Mexico, sixth edition. American Fisheries Society.
Pugnose shiner	<i>Notropis anogenus</i> Forbes	Same	No status	Endangered	Known historically from 36 MI sites but collected at only three MI sites since 1994 despite extensive searching
Sauger	<i>Stizostedion canadense</i> (Smith)	<i>Sander canadensis</i> (Smith)	Threatened	Threatened	Name change follows: Nelson, J.S. et al. 2004. Common and scientific names of fishes from the United States, Canada, and Mexico, sixth edition. American Fisheries Society.
Blue pike	<i>Stizostedion vitreum glaucum</i> (Hubbs)	<i>Sander glaucus</i> (Hubbs)	Extirpated	Extinct	Not collected or documented anywhere since the 1960s

AMPHIBIANS (R 299.1024)

Common Name	Current Scientific Name	Proposed Name	Current Status	Proposed Status	Justification/Comments
Blanchard's cricket frog	<i>Acris crepitans blanchardi</i> (Harper)	Same	No status	Threatened	Serious decline in the Great Lakes region and MI, particularly in southeast MI where it is known to be extant at only 2–3 sites; extant at <60 sites in MI: observed at only 20–30 sites during recent surveys; habitat vulnerable to loss, modification or variations in quality
Marbled salamander	<i>Ambystoma opacum</i> (Gravenhorst)	Same	Threatened	Endangered	Extremely rare; <3 known populations in MI; not documented in the state in recent years; sensitive habitat (i.e., forested wetlands)

REPTILES (R 299.1025)

Common Name	Current Scientific Name	Proposed Name	Current Status	Proposed Status	Justification/Comments
Eastern fox snake	<i>Elaphe vulpina gloydi</i> Conant	<i>Pantherophis gloydi</i> Conant	Threatened	Threatened	Name change follows: Crother, B. I. (editor). 2008. Scientific and standard English names of amphibians and reptiles of North America north of Mexico. Pages 1-84 in Society for the Study of Amphibians and Reptiles Herpetological Circular 37.
Copperbelly watersnake	<i>Nerodia erythrogaster neglecta</i> (Conant)	Common name now copperbelly water snake; scientific name remains the same	Endangered	Endangered	Name change follows: Collins, J.T. and T.W. Taggart. 2002. Standard common and current scientific names for North American amphibians, turtles, reptiles, and crocodilians. Fifth edition. Publication of The Center for North American Herpetology, Lawrence, KS.

BIRDS (R 299.1026)

Common Name	Current Scientific Name	Proposed Name	Current Status	Proposed Status	Justification/Comments
Henslow's sparrow	<i>Ammodramus henslowii</i> (Audubon)	Same	Threatened	Endangered	Number of reproducing individuals in the State estimated to be less than 100; potentially three or fewer viable reproducing populations in the State; species has declined seriously and non-cyclically throughout a significant portion of its range; specialized requirements and sensitive habitat cause it to be vulnerable to extirpation

Common Name	Current Scientific Name	Proposed Name	Current Status	Proposed Status	Justification/Comments
Cerulean warbler	<i>Dendroica cerulea</i> (Wilson)	Same	No status	Threatened	An estimated 10 or fewer viable reproducing populations separated by unfavorable habitat in MI; serious and non-cyclical decline in the Great Lakes region and perhaps MI; habitat may be unusually vulnerable to fragmentation and loss
Common moorhen	<i>Gallinula chloropus</i> (Linnaeus)	Same	No status	Threatened	An estimated 10 or fewer reproducing populations separated by unfavorable habitat in the State; serious and non-cyclical decline in the State; vulnerable to loss in southern MI due to development along the Great Lakes marshes and human disturbance in its inland breeding habitat
Bald eagle	<i>Haliaeetus leucocephalus</i> (Linnaeus)	Same	Threatened	No status	Recently removed from the Federal list of threatened & endangered wildlife; breeds throughout much of MI; population size continues to increase; distribution and number of reproducing individuals no longer meet criteria for threatened status; increasing in adjacent states; will remain protected under Federal law
Osprey	<i>Pandion haliaetus</i> (Linnaeus)	Same	Threatened	No status	Breeds throughout MI; no longer rare in the State; positive trend in the number of nesting pairs over the past two decades; also increasing in many other adjacent States; many threats to the species have been reversed; conservation actions have helped provided additional nesting habitat and enhance population size
Louisiana waterthrush	<i>Seiurus motacilla</i> (Vieillot)	Same	No status	Threatened	An estimated 10 or fewer viable reproducing populations separated by unfavorable habitat in the State; non-cyclical declines in the State; habitat vulnerable to loss, modification or variations in quality due to logging and development
Forster's tern	<i>Sterna forsteri</i> Nuttall	Same	No status	Threatened	Fewer than 10 viable populations in the State; declines have occurred where much of its breeding habitat has been lost; may be particularly susceptible to toxic chemicals

MAMMALS (R 299.1027)

Common Name	Current Scientific Name	Proposed Name	Current Status	Proposed Status	Justification/Comments
Gray wolf	<i>Canis lupus</i> Linnaeus	Same	Threatened	No status	Recently removed from the Federal list of threatened & endangered wildlife; MI population size exceeds State recovery goals and continues to increase; sufficient habitat and prey to allow continued viability; will remain protected under State law
Evening bat	<i>Nycticeius humeralis</i> (Rafinesque)	Same	No status	Threatened	A single population known in MI at one site in one county; serious, non-cyclical decline in the Great Lakes region; habitat unusually vulnerable to loss, modification, or variations in quality: the small amount of forest in the vicinity of the one known colony is subject to logging, damage by floods, and the emerald ash borer; low reproductive potential causes the species to be especially vulnerable to population declines or extirpation
Smoky shrew	<i>Sorex fumeus</i> Miller	Same	No status	Threatened	Known from only two locations on a single Great Lakes island; habitat is unusually vulnerable to loss, modification, and variations in quality due to logging; since its discovery in MI in 1980, only eight specimens have been trapped

PLANTS (R 299.1028)

Common Name	Current Scientific Name	Proposed Name	Current Status	Proposed Status	Justification/Comments
Beaked agrimony	<i>Agrimonia rostellata</i> Wallr.	Same	No status	Threatened	Very few known colonies despite search of available habitat. Only 8 occurrences currently tracked within the MI Natural Features Inventory database
Rosy pussytoes	<i>Antennaria rosea</i> Greene	Same	Threatened	Endangered	Thorough, unsuccessful search of available habitat, including its only known site statewide
Big-leaf sandwort	<i>Arenaria macrophylla</i> Hooker	<i>Moehringia macrophylla</i> (Hook.) Fenzl	Threatened	Threatened	Name change follows: Flora of North America Editorial Committee. 2005. Flora of North America, north of Mexico. Volume 5: <i>Magnoliophyta: Caryophyllidae</i> , part 2. Oxford University Press, New York, NY.
Beach three-awned grass	<i>Aristida tuberculosa</i> Nutt.	Same	Threatened	Endangered	Very few existing records from a limited area disjunct from the main range of the species and in highly threatened habitat; only two State localities known: one recent and one dating from 1908

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Longleaf arnica	<i>Arnica lonchophylla</i> Greene	Same	No status	Endangered	Discovered in 1997 at one site on Isle Royale and known from no other sites
Purple milkweed	<i>Asclepias purpurascens</i> L.	Same	No status	Threatened	Small and declining populations confirmed by relatively extensive recent searching; 23 occurrences documented by MI Natural Features Inventory, with roughly half of them discovered prior to 1950. Several previously documented localities could not be reconfirmed during searches
Mountain spleenwort	<i>Asplenium montanum</i> Willd.	Same	Extirpated	No status	This species is no longer considered to have been part of MI flora based on a thorough review of Farwell's old collections by Drife & Drife (1990)
Green spleenwort	<i>Asplenium trichomanes-ramosum</i> L. [<i>A. viride</i> Hudson]	Same	Threatened	No status	More numerous recent records and lack of evidence of decline; nearly 30 records documented in the MNFI database; more than one-half fairly recent
Drummond's aster	<i>Aster drummondii</i> Lindl	Same	No status	Threatened	Recently discovered in the Barry State Game area; even though there are a few poor old collections from Kent and Jackson Counties that were tentatively identified as <i>Aster drummondii</i> , the plant is very rare within the State
Kitten-tails	<i>Besseyia bullii</i> (Eaton) Rydb.	Same	Threatened	Endangered	Declining populations in very limited available habitat; much of this species' habitat has been destroyed through recent development along river corridors; remaining habitat is in severe decline via succession, invasive species, and lack of management
Spatulate moonwort	<i>Botrychium spathulatum</i> W. H. Wagner	Same	No status	Threatened	Current information indicates threatened status is warranted; however, results of future surveys and status assessments may indicate otherwise
Side-oats grama grass	<i>Bouteloua curtipendula</i> (Michaux) Torrey	Same	Threatened	Endangered	Declining populations in very limited available habitat; habitat is under threat and in need of management to suppress invasive species and other woody plants; habitat has severely declined through development activities; very few records observed in recent years, and of those, most populations consisted of very few individuals, often just a few stems
Raven's-foot sedge	<i>Carex crus-corvi</i> Kuntze	Same	Threatened	Endangered	Very few recent populations in habitats that are highly threatened by invasive species and disruption of hydrology; several invasive species represent strong threats to the lowland habitats that support this taxon; the species is also known now to be regionally rare

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Broad-leaved sedge	<i>Carex platyphylla</i> Carey	Same	Threatened	Endangered	Only four occurrences in a limited area disjunct from the main range of the species
Sedge	<i>Carex tinctoria</i> Fern.	Same	No status	Threatened	Additional records not discovered since first listed as Special Concern; species has been sought by botanists in likely habitats in northern MI without success
Wiegand's sedge	<i>Carex wiegandii</i> Mackenzie	Same	Threatened	No status	Numerous recent records from a larger geographic area and more diverse habitats than previously known; nearly 20 records now documented by MI Natural Features Inventory; most records relatively recent
Shortstalk chickweed	<i>Cerastium brachypodium</i> (Engelm. ex A. Gray) B.L. Rob.	Same	No status	Threatened	Very rare rock barren species of the Upper Peninsula
Field chickweed	<i>Cerastium velutinum</i> Raf.	Same	No status	Extirpated	Rare southern oak savanna species known only historically from the greater Detroit area; last collected in 1913
Wild-oats	<i>Chasmanthium latifolium</i> (Michx.) Yates [<i>Uniola latifolia</i> Michaux]	Same	Threatened	Endangered	Recent surveys have documented presence at only one known site
American rock-brake	<i>Cryptogramma acrostichoides</i> R. Br.	Same	Endangered	Threatened	Additional occurrences from recent surveys; 24 records are currently known in the State
Tennessee bladder fern	<i>Cystopteris tennesseensis</i> Shaver	Same	No status	Threatened	Only one site in MI is known but needs status check by MI Natural Features Inventory
Mullein-foxtail	<i>Dasystoma macrophylla</i> Nutt. Raf.	<i>Dasistoma macrophylla</i> (Nutt.) Raf.	Threatened	Endangered	Only two known occurrences of this conspicuous species despite considerable recent botanical work within its range; name change follows: Voss, E. G. 1996. Michigan flora, part III: dicots (Pyrolaceae–Compositae). Cranbrook Institute of Science and University of Michigan Herbarium, Ann Arbor, MI.
Hay-scented fern	<i>Dennstaedtia punctilobula</i> (Michx.) T. Moore	Same	Extirpated	Threatened	Recently rediscovered at one site in MI
Beak grass	<i>Diarrhena americana</i> Beauv.	<i>Diarrhena obovata</i> (Gleason) Brandenburg	Threatened	Threatened	Name change follows: Flora of North America Editorial Committee. 2007. Flora of North America, north of Mexico. Volume 24: <i>Magnoliophyta: Commelinidae</i> (in part): <i>Poaceae</i> , part 1. Oxford University Press, New York, NY.

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Alpine clubmoss	<i>Diphasiastrum (Lycopodium) alpinum</i> (L.) Holub	Same	No status	Extirpated	One historical collection is known that appears to be plausible based on a review of Farwell collections by Drife & Drife (1990)
Fairy bells	<i>Disporum hookeri</i> (Torrey) Nicholson	<i>Prosartes hookeri</i> Torr.	Endangered	Endangered	Name change follows: Flora of North America Editorial Committee. 2002. Flora of North America, north of Mexico. Volume 26: <i>Magnoliophyta: Liliidae: Liliales</i> and <i>Orchidales</i> . Oxford University Press, New York, NY.
Nodding mandarin	<i>Disporum maculatum</i> (Buckley) Britton	<i>Prosartes maculata</i> (Buckley) A. Gray	Extirpated	Extirpated	Name change follows: Flora of North America Editorial Committee. 2002. Flora of North America, north of Mexico. Volume 26: <i>Magnoliophyta: Liliidae: Liliales</i> and <i>Orchidales</i> . Oxford University Press, New York, NY.
Northern fairy bells	<i>Disporum trachycarpum</i> (Wats) B. & H.	<i>Prosartes trachycarpa</i> S. Watson	Threatened	Threatened	Name change follows: Flora of North America Editorial Committee. 2002. Flora of North America, north of Mexico. Volume 26: <i>Magnoliophyta: Liliidae: Liliales</i> and <i>Orchidales</i> . Oxford University Press, New York, NY.
Whitlow-grass	<i>Draba nemorosa</i> L.	Same	Extirpated	No status	Recent weedy collections call into question whether this plant is native to MI
Spike-rush	<i>Eleocharis geniculata</i> (L.) Roem & Schult.	Same	Threatened	Extirpated	Lack of any discoveries despite considerable searching in the area of known sites; only three historic records; none since 1937
Dwarf spike-rush	<i>Eleocharis parvula</i> (R. & S.) Link.	Same	Threatened	Endangered	Only one extant site known in a highly specialized and rare habitat; extant site is one of the State's few known and intact salt marshes
Fleabane	<i>Erigeron acris</i> L.	Same	No status	Threatened	Lack of any additional discoveries since 1930 despite being known from Isle Royale and locally on the Lake Superior shore
Umbrella-grass	<i>Fuirena squarrosa</i> Michaux	<i>Fuirena pumila</i> (Torr.) Spreng.	Threatened	Threatened	Name change follows: Flora of North America Editorial Committee. 2002. Flora of North America, north of Mexico. Volume 23: <i>Magnoliophyta: Commelinidae</i> (in part): <i>Cyperaceae</i> . Oxford University Press, New York, NY.
Bedstraw	<i>Galium kamtschaticum</i> Schultes & J. H Schultes	Same	Threatened	Endangered	Only one known area of occurrence despite recent searches
Slender manna grass	<i>Glyceria melicaria</i> (Michx.) C.E. Hubb.	Same	No status	Threatened	Recently discovered in two swamp forest sites close together in Oceana County; these occurrences are disjunct from its more eastern range (reaching as far west as SW Ontario)

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Smooth rose-mallow	<i>Hibiscus laevis</i> All.	Same	No status	Extirpated	No collections since the original (1910) occurrence in a well-explored area
Panicled hawkweed	<i>Hieracium paniculatum</i> L.	Same	No status	Threatened	Few recent collections of this conspicuous species; only eight occurrences currently documented by MI Natural Features Inventory
Azure bluet	<i>Houstonia caerulea</i> L.	Same	No status	Extirpated	No presumed native collections since 1930 despite occurring in well-botanized areas and being relatively conspicuous
Creeping St. John's-wort	<i>Hypericum adpressum</i> Raf. ex W. Bart.	Same	No status	Threatened	First discovered in MI in 2005, in Newaygo County; known locally only; rare throughout U.S. range
Round-fruited St. John's-wort	<i>Hypericum sphaerocarpum</i> Michaux	Same	Threatened	Endangered	No discoveries of new sites in addition to the one known occurrence in the State
Smaller whorled pogonia	<i>Isotria medeoloides</i> (Pursh) Raf.	Same	Endangered	Extirpated	Species has disappeared from the one known site in the State
Blue lettuce	<i>Lactuca pulchella</i> (Pursh) A. Gray	Same	Threatened	Extirpated	Recent searches at the known native sites have failed to detect this showy and conspicuous species; last found on Isle Royale in 1930
Least pinweed	<i>Lechea minor</i> L.	Same	No status	Extirpated	No extant sites discovered despite searching; historical occurrences have been documented, but none since 1933
Swamp candles	<i>Lysimachia hybrida</i> Michaux	Same	No status	Extirpated	No discoveries of this plant since the original (1904–1927) collections despite searches
Virginia bluebells	<i>Mertensia virginica</i> Pers. (L.)	Same	Threatened	Endangered	No new records and decline in existing sites; 10 State records, with only three observed since 1981
Michigan monkey-flower	<i>Mimulus glabratus</i> var. <i>michiganensis</i> (Pennell) Fassett	<i>Mimulus michiganensis</i> (Pennell) Posto & Prather	Endangered	Endangered	Name change follows: Posto, A. L. and L. A. Prather. 2003. The evolutionary and taxonomic implications of RAPD data on the genetic relationships of <i>Mimulus michiganensis</i> (comb. Et stat. nov.: Scrophulariaceae). Systematic Botany 28:172-178.
Oswego tea, beebalm	<i>Monarda didyma</i> L.	Same	Extirpated	No status	All extant occurrences are non-native, calling into question the nativity of the original collections on which the listing was based
Northern bayberry	<i>Myrica pensylvanica</i> Mirbel	Same	No status	Threatened	Recently discovered as a native species of fen margins

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Pygmy water-lily	<i>Nymphaea tetragona</i> Georgi	<i>Nymphaea leibergii</i> Morong	Endangered	Endangered	Name change follows: Flora of North America Editorial Committee. 1997. Flora of North America, north of Mexico. Volume 3: <i>Magnoliophyta: Magnoliidae</i> and <i>Hamamelidae</i> . Oxford University Press, New York, NY.
Southeastern adder's-tongue	<i>Ophioglossum vulgatum</i> L. [<i>Ophioglossum pycnostichum</i> (Fern.) Löve & Löve	Same	Threatened	Endangered	Only one known occurrence and no new discoveries
Violet wood-sorrel	<i>Oxalis violacea</i> L.	Same	Threatened	Extirpated	No extant occurrences as a native plant
Leiberg's panic-grass	<i>Panicum leibergii</i> (Vasey) Scribner	<i>Dichantherium leibergii</i> (Vasey) Freckmann	Threatened	Threatened	Name change follows: Flora of North America Editorial Committee. 2003. Flora of North America, north of Mexico. Volume 25: <i>Magnoliophyta: Commelinidae</i> (in part): <i>Poaceae</i> , part 2. Oxford University Press, New York, NY.
Philadelphia panic-grass	<i>Panicum philadelphicum</i> Bernh. Ex Trin.	Same	No status	Threatened	Known only from Drummond Island in rare alvar habitat, but needs status check by MI Natural Features Inventory
Round-seed panic-grass	<i>Panicum polyanthes</i> Schultes	<i>Dichantherium polyanthes</i> (Schult.) Mohlenbr	Endangered	Endangered	Name change follows: Flora of North America Editorial Committee. 2003. Flora of North America, north of Mexico. Volume 25: <i>Magnoliophyta: Commelinidae</i> (in part): <i>Poaceae</i> , part 2. Oxford University Press, New York, NY.
Low-forked chickweed	<i>Paronychia fastigiata</i> (Raf.) Fern.	Same	No status	Extirpated	No discoveries since the original 1909 collection despite searching
Wild bean	<i>Phaseolus polystachios</i> (L.) BSP.	Same	No status	Extirpated	No new collections since the original documented occurrence in 1896
Cleft phlox	<i>Phlox bifida</i> Beck	Same	Threatened	Extirpated	No extant occurrences of this very conspicuous plant as a native species; last collected as a native plant in 1890
Wideflower phlox	<i>Phlox ovata</i> L. (<i>P. latifolia</i> Michx.)	Same	No status	Endangered	Recently discovered at one site in Lenawee County at its northern range limit
Orange or yellow fringed orchid	<i>Platanthera ciliaris</i> (L.) Lindley	Same	Threatened	Endangered	No discoveries of new sites and degradation of the few existing sites of this conspicuous species

Common Name	Current Scientific Name	Proposed Name	Current Status	Proposed Status	Justification/Comments
Honey-flowered Solomon-seal	<i>Polygonatum biflorum</i> var. <i>melleum</i> (Farw.)	Same	Extirpated	No status	This entity is not accepted in recent works treating the genus
Bowman's root	<i>Porteranthus trifolius</i> (L.) Britton	<i>Gillenia trifoliata</i> (Muhl.) Baill.	Threatened	Endangered	Lack of new discoveries; decline at the one known occurrence; name change follows: Voss, E. G. and A. A. Reznicek. 2008. Michigan flora. Revised, one-volume edition (in progress): dicots (Pyrolaceae–Compositae). University of Michigan Press, Ann Arbor, MI.
Spotted pondweed	<i>Potamogeton pulcher</i> Tuckerman	Same	Threatened	Endangered	Disappearance of known sites and lack of discovery of any additional sites; apparently only one extant site left in MI
Bald-rush	<i>Psilocarya scirpoides</i> Torrey	<i>Rhynchospora scirpoides</i> (Torr.) A. Gray	Threatened	Threatened	Name change follows: Flora of North America Editorial Committee. 2002. Flora of North America, north of Mexico. Volume 23: <i>Magnoliophyta: Commelinidae</i> (in part): <i>Cyperaceae</i> . Oxford University Press, New York, NY.
Short-beak beak-rush	<i>Rhynchospora (Psilocarya) nitens</i> (Vahl) A. Gray	Same	No status	Endangered	Recently discovered in Allegan County; otherwise extirpated in Great Lakes region
Globe beak-rush	<i>Rhynchospora globularis</i> (Chapman) Small	<i>Rhynchospora recognita</i> (Gale) Kral	Endangered	Endangered	Name change follows: Flora of North America Editorial Committee. 2002. Flora of North America, north of Mexico. Volume 23: <i>Magnoliophyta: Commelinidae</i> (in part): <i>Cyperaceae</i> . Oxford University Press, New York, NY.
Smooth ruellia	<i>Ruellia strepens</i> L.	Same	Threatened	Endangered	No new sites have been discovered since the original 1957 occurrence was documented
Canadian burnet	<i>Sanguisorba canadensis</i> L.	Same	Threatened	Endangered	All four known extant sites are in a small area and no new sites of this conspicuous and showy species have been discovered
Three-square bulrush	<i>Scirpus americanus</i> Pers. [<i>S. olneyi</i> A. Gray]	<i>Schoenoplectus americanus</i> (Pers.) Schinz & R. Keller	Threatened	Endangered	Only one extant site is now known in MI; name change follows: Flora of North America Editorial Committee. 2002. Flora of North America, north of Mexico. Volume 23: <i>Magnoliophyta: Commelinidae</i> (in part): <i>Cyperaceae</i> . Oxford University Press, New York, NY.
Hall's bulrush	<i>Scirpus hallii</i> A. Gray	<i>Schoenoplectus hallii</i> (A. Gray) S.G. Sm.	Threatened	Threatened	Name change follows: Flora of North America Editorial Committee. 2002. Flora of North America, north of Mexico. Volume 23: <i>Magnoliophyta: Commelinidae</i> (in part): <i>Cyperaceae</i> . Oxford University Press, New York, NY.

Common Name	Current Scientific Name	Proposed Name	Current Status	Proposed Status	Justification/Comments
Skullcap	<i>Scutellaria nervosa</i> Pursh	Same	Threatened	Endangered	Only one known site in MI
Fire pink	<i>Silene virginica</i> L.	Same	Threatened	Endangered	Only one small, disjunct area of occurrence of this conspicuous species in MI
Farwell's blue-eyed-grass	<i>Sisyrinchium farwellii</i> Bickn.	<i>Sisyrinchium fuscatum</i> E.P. Bicknell	Extirpated	Extirpated	Name change follows: Flora of North America Editorial Committee. 2002. Flora of North America, north of Mexico. Volume 26: <i>Magnoliophyta: Liliidae: Liliales</i> and <i>Orchidales</i> . Oxford University Press, New York, NY.
Blue-eyed grass	<i>Sisyrinchium hastile</i> Bickn.	Same	No status	Extirpated	Synonymized in Flora North America as the relatively frequent <i>S. albidum</i>
White goldenrod	<i>Solidago bicolor</i> L.	Same	No status	Endangered	Only one recent (2000) collection of this species in MI
Dropseed	<i>Sporobolus clandestinus</i> (Biehler) Hitch.	Same	No status	Endangered	No additional occurrences since its discovery in the State in 1995
Fleshy stitchwort	<i>Stellaria crassifolia</i> Ehrh.	Same	Threatened	Endangered	Only two extant occurrences and sensitive habitat. Eight occurrences documented; six of these known only from pre-1950 records
Crane-fly orchid	<i>Tipularia discolor</i> (Pursh) Nutt.	Same	Threatened	Endangered	Declines at the few known sites; occurs in a highly geographically restricted area; only three sites are known in the State, all in a small region and in sensitive habitats
Green trillium	<i>Trillium viride</i> Beck	Same	Extirpated	No status	The original record is almost certainly not of native occurrence
Northern marsh violet	<i>Viola epipsila</i> Ledeb.	Same	Threatened	Endangered	No additional sites discovered since the single original occurrence
Northern woodsia	<i>Woodsia alpina</i> (Bolton) S. F. Gray	Same	Threatened	Endangered	Very few observed recent occurrences; only five documented State occurrences, only three observed since 1981